



13-90

August 8, 2013

VIA E-MAIL

Carlton Purvis
MuckRock news
DEPT MR 6455
PO Box 55819
Boston, MA 02205-5819

Dear Mr. Purvis:

Thank you for writing to the City of Prospect Heights with your request for information pursuant to the Illinois Freedom of Information Act, 5 ILCS 140/1 et seq.

On August 8, 2013 you requested the following records: A full copy of all final and written contracts between Prospect Heights and Xtivity Solutions, LLC for a surveillance system (approved at the July 22, 2013 Council Meeting). Your request is being tendered via electronic mail.

Your Freedom of Information Act request has been granted. Please find your requested records attached.

If you have any questions regarding this FOIA, please feel free to contact me at City Hall at (847)398-6070 x251 or by e-mail at kschultheis@prospect-heights.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'Karen Schultheis'.

Karen Schultheis
City of Prospect Heights FOIA Officer

From: Requests Muckrock <requests@muckrock.com>
Sent: Thursday, August 08, 2013 11:39 AM
To: Karen Schultheis
Subject: Freedom of Information Request: Surveillance System Contract between Prospect Heights and Xtivity Solutions

August 7, 2013

To Whom It May Concern:

Pursuant to the Illinois Freedom of Information Act (5 ILCS 140/1 to 11), I hereby request the following records:

A full copy of all final contracts and written agreements between Prospect Heights and Xtivity Solutions, LLC for a surveillance system (approved at the July 22, 2013 council meeting). Please include all invoices and equipment lists.

I also request that, if appropriate, fees be waived as I believe this request is in the public interest. The requested documents will be made available to the general public free of charge as part of the public information service at MuckRock.com, processed by a representative of the news media/press and is made in the process of news gathering and not for commercial usage.

In the event that fees cannot be waived, I would be grateful if you would inform me of the total charges in advance of fulfilling my request. I would prefer the request filled electronically, by e-mail attachment if available or CD-ROM if not.

Thank you in advance for your anticipated cooperation in this matter. I look forward to receiving your response to this request within 5 business days, as the statute requires.

Sincerely,

Carlton Purvis

Filed via MuckRock.com
E-mail (Preferred): 6455-32060983@requests.muckrock.com

For mailed responses, please address (see note):
MuckRock News
DEPT MR 6455
PO Box 55819
Boston, MA 02205-5819

PLEASE NOTE the new address as well as the fact that improperly addressed (i.e., with the requester's name rather than MuckRock News) requests might be returned by the USPS as undeliverable.



PROPOSAL

City of Prospect Heights PD surveillance network

Submitted By:



July 10, 2013

The enclosed data, furnished in connection with this Proposal is CONFIDENTIAL and PROPRIETARY, and shall not be disclosed directly or indirectly, and shall not be copied in any form, used or disclosed in whole or part for any purpose other than for the customers right to examine this Proposal, unless otherwise agreed in writing by Xtivity Solutions LLC.



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Xtivity Solutions is a communication services and Technology Company that provides business case analysis, engineering, design, implementation, and support for private communication networks. At the forefront in wireless integration, security systems, IT services, and rooftop management, Xtivity is in the business of customizing vendor-neutral solutions—whether you are a municipality, academic institution, government agency, utility, or in the hospitality or transportation industries. With flexible solutions, Xtivity meets the demand for cost-effective alternatives, and is by far the premier choice to be your communications architect. At Xtivity, we believe that to achieve the right results, you need the right solutions provided by the right experts.

To help you achieve your goals, Xtivity provides experienced business, engineering and information technology professionals with a wide range of experience in project management, network architecture, business process management, system and data integration, and other network engineering and IT support services. Xtivity is made up of an elite core of professionals who integrate sophisticated systems and develop essential solutions to make success a reality. Our wireless engineers are certified in a wide-array of product lines and our comprehensive portfolio of networking products and solutions is unmatched in the industry. Our mission is to build value for our customers through optimum application methods, business transformation, technology, and software business solutions. Our commitment to quality establishes Xtivity as the benchmark of excellence in the systems integration industry.

Many companies today rely upon greater integration of data, sharing solutions across an entire organization. Today's complicated networks encompass more than the transmission of data, voice, and video traffic. For some clients, straightforward access to these services within a building is all that is necessary. For others, the requirement is to distribute services and applications over far-reaching distances and possibly harsh conditions. With our expertise in traditional cabling, fiber optics and wireless, Xtivity offers solutions to any backhaul or connectivity need. Specifically, our integrated approach offers end to end solutions and features: design, engineering, installation, and maintenance. Combine one, two, or all of them to best utilize our expertise.

Engineering

With experience in engineering, spectrum management, interference mitigation and troubleshooting, our engineering services include: site surveys and infrastructure audits; Telecom site surveys; RF and network engineering services; design wireless indoor and outdoor networks; microwave backhaul designs; Fiber optics, system configuration; propagation testing, path analysis and network programming.

Installation

Once the network is designed, Xtivity provides the highest level of professional installation services with all intentions of a great customer experience. We provide: communication equipment install; security systems – phone systems – radio systems – data networks; power and Telco cabling and terminations; and, fiber splicing and terminations.



Service & Maintenance

Xtivity has the experience and expertise to maintain and operate your communication network. Our services include:

- a) Hourly technicians,
- b) 24-hour response time for outages and troubleshooting,
- c) Data center for storage of equipment and services,
- d) Back-up systems (servers and power) and,
- e) Warranties on all work

Organizations demand people with technical application expertise and organization skills. Xtivity provides resources that implement and support complex Engineering and information technology systems that deliver a sustained competitive advantage for organizations of every size and complexity. Xtivity is committed to building successful business systems using superior software, sound solutions, proven methodologies, rapid implementation and exceptional support. Our partnerships focus on next-generation services and cutting-edge providers that empower our clients to be leaders within their industry. Xtivity becomes an extension of your team, providing the consistency and talent to make your company grow. With one phone call Xtivity connects you to the global telecom marketplace and helps you navigate the many challenges that come with it.

Thank you for considering Xtivity in building your network needs. Enclosed please find our proposal for your network.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dimitrios Lalos'.

Dimitrios Lalos
Managing Partner, Technical Operations



PROPOSAL

This Xtivity Solutions proposal provides the City of Prospect Heights PD with an all outdoor wireless network solution to support surveillance communications from the Public Works building to all remote apartment building locations between Palatine Frontage Road-Burning Bush Dr.-Apple Dr.-Plaza Dr. and between Piper Lane and Wimbledon Drive to cover entry ways and neighborhood areas.

Wireless broadband backhaul access at 4.9 GHz is an ideal solution in offering high speed data easily manageable for broadband application solutions.

Our comprehensive solution provides several advantages over other approaches:

- **Bandwidth** - A 4.9 GHz frequency radio can provide true Ethernet throughput at 100 Mbps. Multipoint locations and spur off the backhaul network connections will be accomplished with a number of 4.9 GHz 10 Mbps links.
- **Lower cost of installation and no recurring costs** - Probably the number one driver for implementing the proposed all outdoor wireless solution is the measurable and quick ROI.
- **Quick installation**- It is expected that the link can be installed in less than 8 hours. Industry professionals that have a lot of experience will be employed to optimize the wireless link given the existing mounting and environmental conditions the links are established in.
- **Reliability** - Wireless backhauls designed and installed properly can provide 99.99% or better predictable reliability. This is because the wireless backhaul typically provides a more direct path (less routing means less equipment/electronics/sites) and is cheaper to maintain.

OUR SOLUTION

Our proposal delivers a 4.9 GHz solution capable of supporting the City of Prospect Heights PD objectives related to data connectivity. The proposed broadband solution provides a reliability link rated at 99.99%. This ensures perfect transmission of any delay sensitive traffic. It offers a Point-to-MultiPoint design for up to 100 Mbps per sector and is the ideal choice for last mile enterprise connectivity and high-end applications that demand guaranteed bandwidth per subscriber.

Key Benefits include:

Highest Base Station Capacity for the Best User Experience

Base station supports up to 100Mbps per sector, delivering high capacity over a single radio unit. Together with High capacity Subscriber Units (HSUs) it enables a service capacity of up to 20 Mbps per subscriber.

Greater Spectrum Efficiency for Faster ROI

It provides the highest spectrum efficiency available (5bps/Hz) in the Point-to-Multi Point Sub 6GHz arena for greater throughput over narrower channel bandwidth.

Secured Service Level Agreement for Demanding Applications



Uniquely secures available bandwidth per end user for guaranteed Service Level Agreement (SLA). Subscriber's capacity is unaffected by the transmission performance fluctuation of other Subscribers, due to interference or other causes.

Superb Performance in Harsh Conditions

Incorporates advanced interference mitigation techniques that assure superior operation in harsh conditions, either in licensed or unlicensed bands. Combined with OFDM, MIMO 2x2 and antenna diversity, establishes robust performance in nLOS /NLOS deployments.

Multi-Band Capabilities -All in a Single Unit

Radios, including Base Station and Subscriber Units, support an extensive range of frequency bands in the same unit for flexible radio planning.

Low Visual Impact Subscriber Units

It offers a variety of HSUs, some guaranteeing exceptionally low visual impact due to the small form factor integrated MIMO antenna. With built-in connectors, these HSUs maintain the flexibility to utilize an external antenna whenever needed.

TDD synchronization, enabling dense deployments with maximum performance

The Base station enables TDD synchronization of all collocated sectors within a site and between base stations located in different sites. This Synchronization prevents mutual interference between closely situated Radio units and saves tower space and spectrum.

Co-exist with same brand PtP radios

Creates complimentary TDD synchronized solutions for last mile and backhaul deployments, both using the same Network Management System (RNMS).



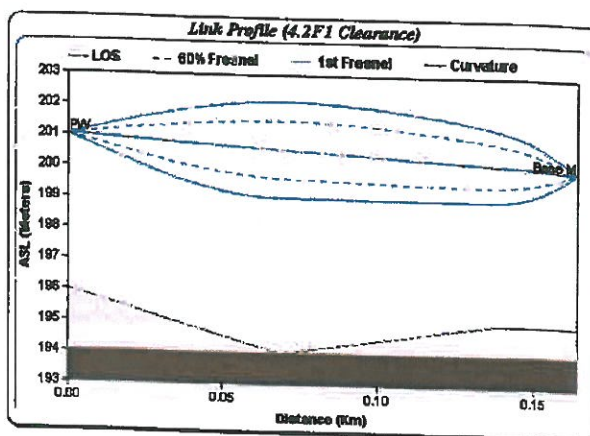


Details are given as follows:

Sector A

- Install one (1) 90 degree sector antenna
- Install one (1) 4.9 GHz Base Station
- Install five (5) 5 GHz subscriber units (Blue/Sub1/Sub2/Sub3/Sub4)
- Install one (1) Point-to-Point link (PW-Base)
- Install seven (7) 2 megapixel cameras with mounts (CamBlue/CamS1/CamS21/CamS22/CamS3/CamS4/CamB)
- Install five (6) Wi-Fi access points (Base/Blue/Sub1/Sub2/Sub3/Sub4)
- Install seven (7) mounts
- Install two weather proof enclosures (Base/Sub2)
- Install two industrial switches (Base/Sub2)
- Install two industrial power supplies (Base/Sub2)

Site Name	Latitude	Longitude	Altitude
Base2	42.107003	-87.899137	15 m
Base M	42.107001	-87.899042	16 m
Sub3	42.106526	-87.893581	15 m
Sub2	42.107862	-87.893248	15 m
Sub1	42.107888	-87.894691	15 m
Blue	42.10647	-87.897847	15 m
Sub4	42.108124	-87.89756	15 m
PW	42.106804	-87.90102	15 m





Height above Sea	188m	189m
Antenna Height	15 m	16
Regulation	4.9GHz	4.9GHz
TX Power	18	18
EIRP	36	36
RSSI	-47.8	-47.8
Fade Margin	19.2	19.2
Azimuth	82.4	262.4
Elevation	-0.2	0.2

HSU Name	IS	Capacity	Distance
Sub2	6	5.9 Mbps/5.9 Mbps DL/UL Assured, (10 Mbps/10 Mbps DL/UL DBA Peak)	0.487 Km
Sub3	6	5.9 Mbps/5.9 Mbps DL/UL Assured, (10 Mbps/10 Mbps DL/UL DBA Peak)	0.453 Km
Blue	6	5.9 Mbps/5.9 Mbps DL/UL Assured, (10 Mbps/10 Mbps DL/UL DBA Peak)	0.115 Km
Sub4	5	4.9 Mbps/4.9 Mbps DL/UL Assured, (10 Mbps/10 Mbps DL/UL DBA Peak)	0.178 Km
Sub1	5	4.9 Mbps/4.9 Mbps DL/UL Assured, (10 Mbps/10 Mbps DL/UL DBA Peak)	0.372 Km

ENGAGEMENT SCHEDULING AND STAFFING

A formal Project Manager and Program manager will be assigned to supervise any work performed by Xtivity Solutions, LLC. We will provide on-site staff for installation during the implementation process. The Xtivity Solutions, LLC. Technology Group and other relevant staff members will be called upon to complete various other tasks and assignments.

PROJECT COMPLETION

Time frame to install complete system should be 2 weeks. Xtivity will maintain a continuous dialogue with the City of Prospect Heights PD Project Manager during installation and configuration especially if any modifications of the plan are necessary. Xtivity is prepared to move at your pace after contract execution, working together to set schedules and timelines.

FEES

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for the above work and completed in a substantial workman-like manner.

Complete Product and Installation Breakdown for Main Sector



FEES

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for the above work and completed in a substantial workman-like manner.

Complete Product and Installation Breakdown for Main Sector

Type	Description	Quantity
Antennas	Base station Flat panel antenna, dual polarization, gain 15dBi, 4.90-6.060 GHz bands, 90 degrees	1
IDUs	PoE device 100BaseT/GbE interface, with AC power feeding	10
ODUs	20 Mbps Subscriber Unit Radio with small-form-factor 15dBi integrated antenna	5
ODUs	HBS 5200 Series, Base Station Radio Connectorized for external antenna (2x N-type)	1
ODUs	Outdoors Wi-Fi hot spot	7
ODUs	Point to Point 4.9 GHz radio	2
Accessories	Outdoor Lightning Protection Unit for 10/100/1000Base-T PoE surge protector	20
Accessories	Industrial Power Supply	2
Accessories	Industrial Switch	2
Cameras	CCTV outdoor 90 degree 720p resolution	6
Cameras	CCTV outdoor 180 degree H.264	1
Accessories	Enclosure	2
Accessories	Pole mounts and associated hardware	8
Accessories	Ethernet outdoor cable and connectors	1
License	FCC License application	6
Labor	PM/Engineering/Optimization/Integration	1

Total Main Sector Cost: \$70,852

Blue Box only Cost: \$31,426

Price does not include any optional items purchased.

Finance charges will apply on outstanding payments (1½% monthly) unless otherwise previously arranged. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders directly executed by the school, and will become an extra charge over and above the quotation. All agreements contingent upon field site survey, strikes, accidents or delays beyond our control.



PAYMENT TERMS

40% of the amount would be payable at the day of the Purchase Order

60% of the amount would be payable 10 days after completion and acceptance of the working network.

Finance charges will apply on outstanding payments (1½% monthly) unless otherwise previously arranged. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders directly executed by the school, and will become an extra charge over and above the quotation. All agreements contingent upon field site survey, strikes, accidents or delays beyond our control.